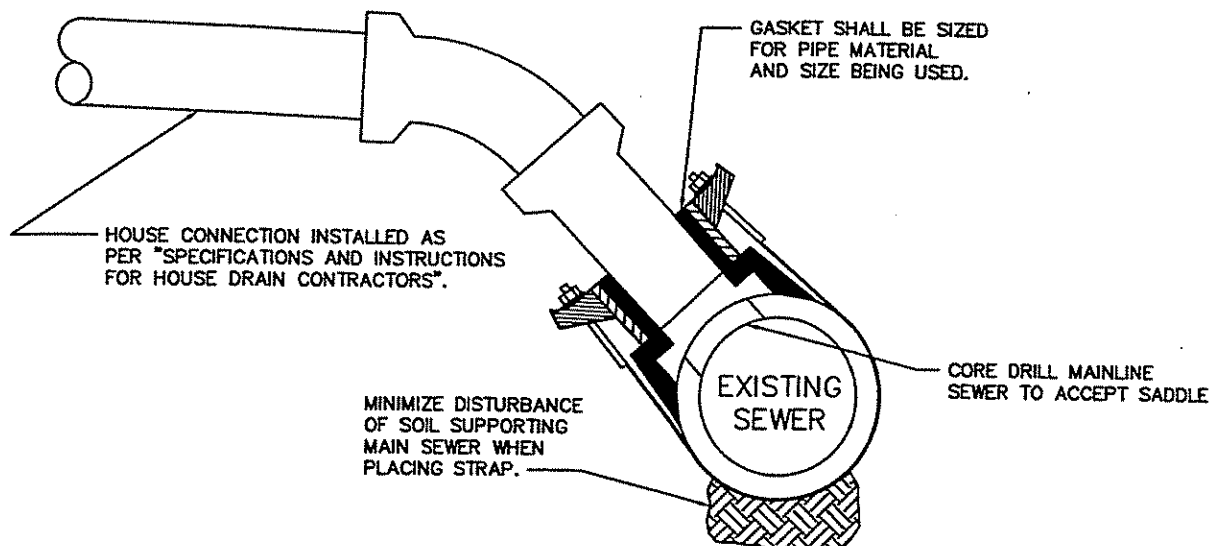


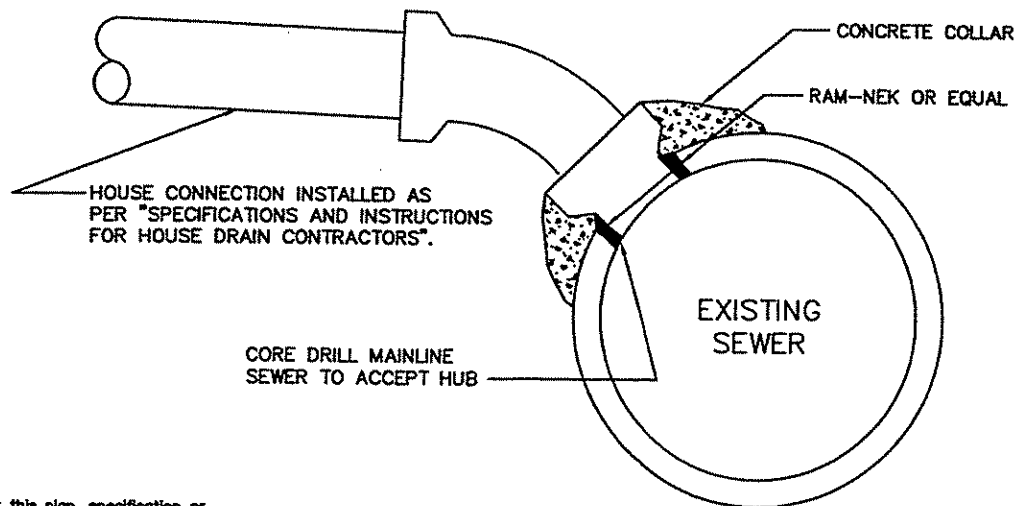
PUBLIC SEWER O.D. 48" OR LESS



NOTES:

1. SEWER SADDLE TO BE ROMAC INDUSTRIES, INC. STYLE "CB" SADDLE OR APPROVED EQUAL
2. PVC SERVICES CONNECTED TO PVC OR VCP (10" OR LESS) SEWER MAY ALSO BE PVC SADDLE TEE AND GASKET SECURED TO PIPE WITH TWO STAINLESS STEEL COMPRESSION STRAPS. PVC SADDLE TO BE GPK OR APPROVED EQUAL
3. ALL SEWER SERVICE SADDLES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

PUBLIC SEWER O.D. GREATER THAN 48"



I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

*Joseph J. Mueller*  
JOSEPH J. MUELLER  
Date 9-2-02 Lic. No. 13942

NOTES:

1. THE HUB SHALL BE SAWCUT TO CONFORM TO THE INTERIOR OF THE PIPE
2. GROUT THE HUB WITH A MINIMUM 3" CONCRETE COLLAR. DO NOT ENCASE HUB JOINT TO SERVICE PIPE.

APPROVED \_\_\_\_\_  
*[Signature]*  
CITY ENGINEER

CITY OF ST. PAUL  
DEPARTMENT OF PUBLIC WORKS  
SADDLE CONNECTION OF  
HOUSE SERVICES

Date of  
Revision  
JULY  
2002

Standard  
Plate  
No.  
2319C